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NPIC/P&DS/D/6-834
10 March 1966

MEMORANDUM FOR THE RECORD

1. On 3 and 4 March, 1966, [] performed a series of tests on the 405B Chip Comparator in IAD. The purpose of the tests being to determine why the digitizers require frequent re-adjustment. The following tests and repairs were made.

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- a. Repaired bad solder connection in oscillator power supply in both axis.
- b. Replaced capacitor in Y-axis [] trigger.
- c. Checked optical alignment of X-axis.
- d. Set up both axis and checked for drift after approximately eighteen hours (overnight).

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2. The following are the results of [] tests.

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- a. Y-axis electrical drift was slight and within tolerances.
- b. X-axis electrical drift was slight and within tolerances.
- c. X-axis optics could not be aligned to allow an adequate safety factor for variations in ambient temperature.
- d. X-axis mercury lamp output was low.

3. [] concluded that the X-axis optics required replacement. He will return with the necessary parts and assistance as soon as possible.

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4. Both axis were operating when [] left at 1615 on March 4, 1966.

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5. The X-axis was not operating at 1000 on March 7, 1966.

DECLASS REVIEW by NIMA/DOD

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[]
Equipment Performance Section

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cc: []

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GROUP 1
Excluded from automatic
downgrading and
declassification